

App. No. 09/735,027
Amendment Dated: June 28, 2004
Reply to Office Action of March 26, 2004

Amendments to the Claims:

Claims 1-8 (canceled).

Claim 9-13 (canceled).

Claim 14 (currently amended): A computer-readable medium having computer-executable instruction for improving memory usage for a computer program, comprising: The method of claim 13 further comprising receiving a data access request; and

using information about a data access sequence to determine if the data access request refers to an element of a frequently requested data access sequence;

(a) if the data access request refers to the element of the frequently requested data access sequence, using timing information to determine if a second element from the frequently requested data access sequence can be retrieved in time for the computer program to use without waiting; and

(b) if the second element can be retrieved in time, pre-fetching the second element to memory.

Claim 15 (original): The method of claim 14, wherein the pre-fetching occurs after a delay.

Claim 16 (original): The method of claim 14, wherein the second element is pre-fetched into main memory.

Claims 17-21 (canceled)

Claims 22-30 (canceled).